# Panasonic

## Operating Instructions

**Personal Facsimile**

Model No. **KX-FT932HK**

Model No. **KX-FT934HK**

KX-FT934
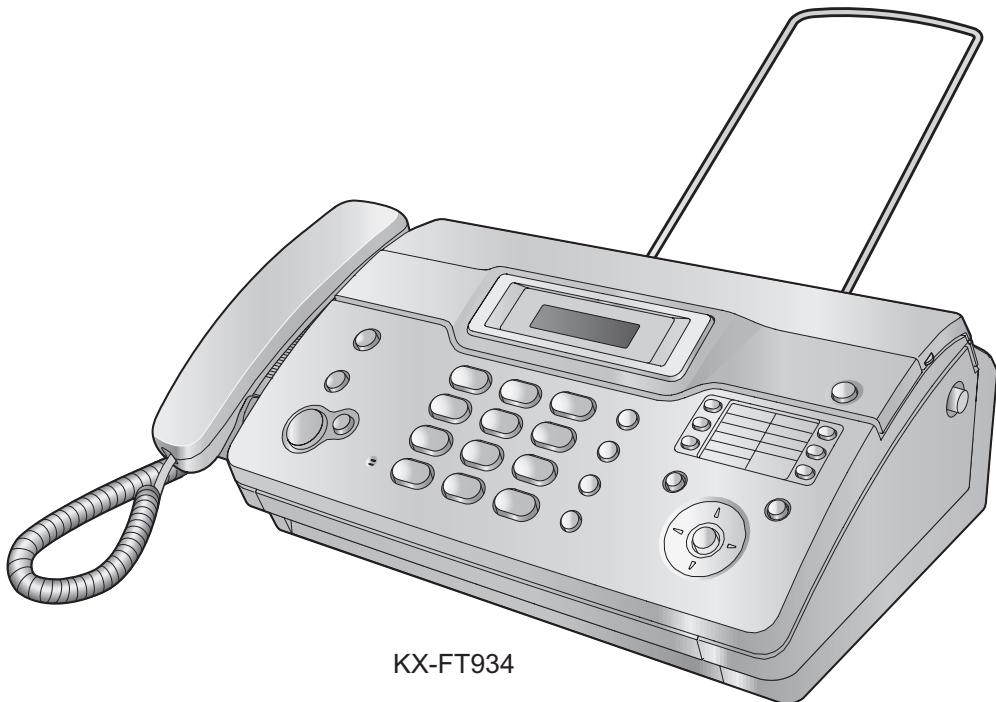
Thank you for purchasing a Panasonic fax machine.

Please read these operating instructions before using the unit and save for future reference.

**This unit is compatible with Caller ID. To use this feature, you must subscribe to the appropriate service of your service provider.**

# 1.1 Included accessories

① Telephone line cord

② Handset

③ Handset cord
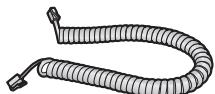
④ Recording paper (10 metres long)
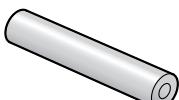
⑤ Paper stacker (KX-FT934 only)

⑥ Operating instructions

**Note:**
- If any items are missing or damaged, contact the place of purchase.
- Save the original carton and packing materials for future shipping and transportation of the unit.

# 1.2 Accessory information

## 1.2.1 Available accessories

– **Standard thermal recording paper[*1] (KX-A106):**
  216 mm × 30 m roll, with 25 mm core
  *1 Use only the included or specified recording paper. Using other recording paper may affect print quality and/or cause excessive wear to the thermal head.

# 1.3 Connections

**Important:**
- **The unit will not function when there is a power failure. To make calls in emergency situations, you should connect a telephone that can function during a power failure to the telephone line.**

① Paper stacker (KX-FT934 only)
  - The paper stacker may not be shown in all illustrations in these operating instructions.
② Power cord
  - Connect to the power outlet (220 V – 240 V, 50/60 Hz).
③ Telephone line cord
  - Connect to [**LINE**] jack and a single telephone line jack.
④ [**EXT**] jack
  - Remove the stopper if attached.
⑤ Handset cord
⑥ Extension telephone (not included)
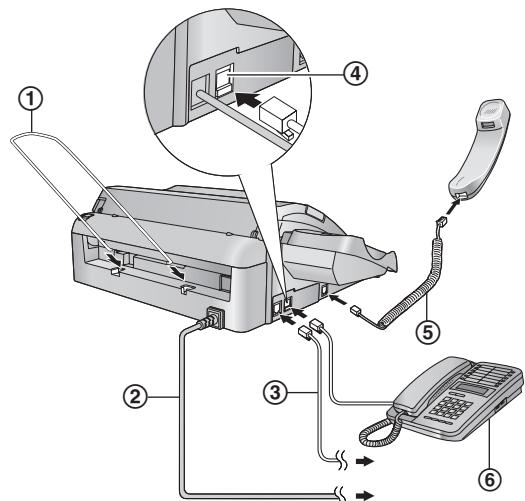


**Caution:**
- **When you operate this product, the power outlet should be near the product and easily accessible.**
- **Be sure to use the telephone line cord included in this unit.**
- **Do not extend the telephone line cord.**
- **Keep the unit away from walls as far as possible to prevent a recording paper jam.**

**Note:**
- Before you can make calls, the dialling mode setting may need to be changed (page 10).

## 1.4 Recording paper

**1** Open the top cover by pressing the top cover release button (①).
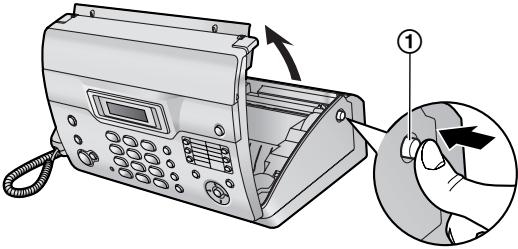
**2** Install the recording paper.

**Correct**
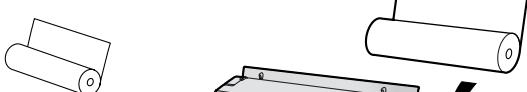
**Incorrect**

**3** Insert the leading edge of the paper into the opening above the thermal head (①).
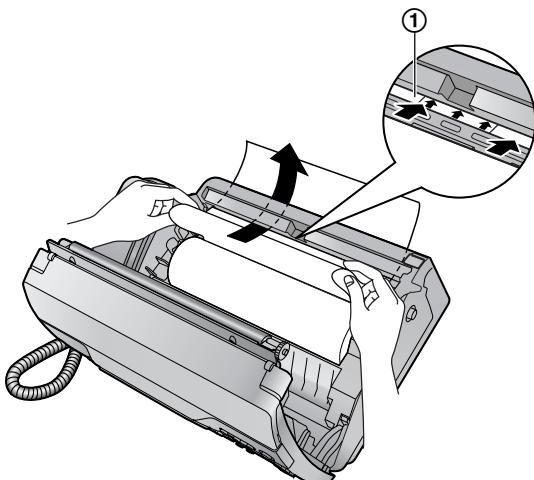
**4** Pull the paper out of the unit.
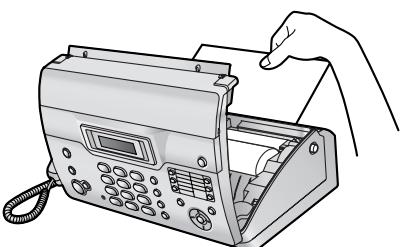
- Make sure that there is no slack in the paper roll.

**5** Close the top cover securely by pushing down on both sides.
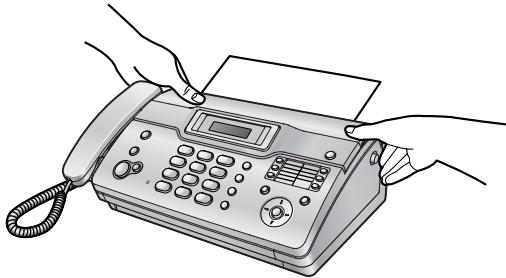
**6** **For KX-FT932:**
Press 【FAX/START】, then tear off the excess paper by pulling it towards you.
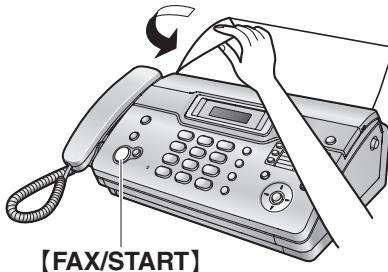
【FAX/START】

**For KX-FT934:**
Press 【FAX/START】 to cut the paper.

【FAX/START】
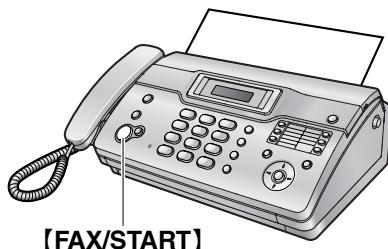
**Note:**
- If the paper is secured with glue or tape, cut approximately 15 cm from the beginning of the roll before installing it.
- When the power cord is connected, a message is printed each time the top cover is opened then closed. If the recording paper is installed upside down, the message will not be printed. Install the paper correctly.
- For accessory information, see page 3.

## 1.5 Fax sending / Copying

**1** Open the document feeder tray.

❷ Adjust the document guides (①), and insert the document FACE DOWN.
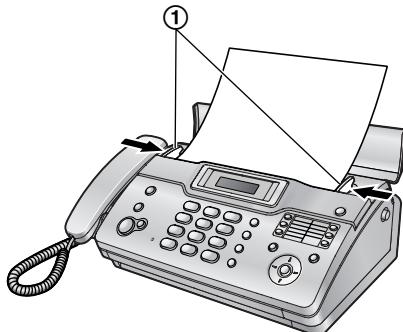
❸ **To send a fax:**
Dial the fax number and press **[FAX/START]**.

**To make a copy:**
Press **[COPY]**.
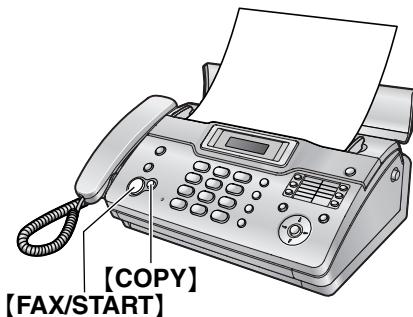
**[COPY]**
**[FAX/START]**

● For further details to send a fax, see page 18.
For further details to make a copy, see page 25.

## 1.6 Fax receiving

❶ Lift the handset to answer the call.

❷ To receive a fax document, press **[FAX/START]**.

**[FAX/START]**
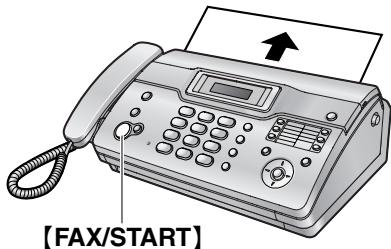
● For further details, see page 21.

● **You can select how you want the unit to receive calls according to your needs (page 21).**

# 2.1 Important safety instructions

When using this unit, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from power outlets before cleaning. Do not use liquid or aerosol cleaners.
4. Do not use this unit near water, for example near a bathtub, wash bowl, kitchen sink, etc.
5. Place the unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
6. Do not cover slots and openings on the unit. They are provided for ventilation and protection against overheating. Never place the unit near radiators, or in a place where proper ventilation is not provided.
7. Use only the power source marked on the unit. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
8. For safety purposes this unit is equipped with a grounded plug. If you do not have this type of outlet, please have one installed. Do not defeat this safety feature by tampering with the plug.
9. Do not place objects on the power cord. Install the unit where no one can step or trip on the cord.
10. Do not overload power outlets and extension cords. This can result in the risk of fire or electric shock.
11. Never push any objects through slots in this unit. This may result in the risk of fire or electric shock. Never spill any liquid on the unit.
12. To reduce the risk of electric shock, do not disassemble this unit. Take the unit to an authorised service centre when service is required. Opening or removing covers may expose you to dangerous voltage or other risks. Incorrect reassembly can cause electric shock when the unit is subsequently used.
13. Unplug this unit from power outlets and refer servicing to an authorised service centre when the following conditions occur:
    A. When the power cord is damaged or frayed.
    B. If liquid has been spilled into the unit.
    C. If the unit has been exposed to rain or water.
    D. If the unit does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorised service centre.
    E. If the unit has been dropped or physically damaged.
    F. If the unit exhibits a distinct change in performance.
14. During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of an electric shock from lightning.
15. Do not use this unit to report a gas leak, when in the vicinity of the leak.

> **SAVE THESE INSTRUCTIONS**

**CAUTION:**

**Installation**
- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- Do not touch the plug with wet hands.

**WARNING:**
- To prevent the risk of fire or electrical shock, do not expose this product to rain or any type of moisture.
- Unplug this unit from power outlets if it emits smoke, an abnormal smell or makes unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped and contact an authorised service centre.

# 2.2 For best performance

**Environment**
- Keep the unit away from electrical noise generating devices, such as fluorescent lamps and motors.
- The unit should be kept free from dust, high temperature and vibration.
- The unit should not be exposed to direct sunlight.
- Do not place heavy objects on top of the unit.
- The unit should be kept away from heat sources such as heaters, kitchen stoves, etc. It should not be placed in rooms where the temperature is less than 5 °C or greater than 35 °C. Damp basements should also be avoided.

**Connection**
- If any other device is connected on the same line, this unit may disturb the network condition of the device.
- If you use the unit with a computer and your internet provider instructs you to install a filter (①), please connect the telephone line cord as follows.
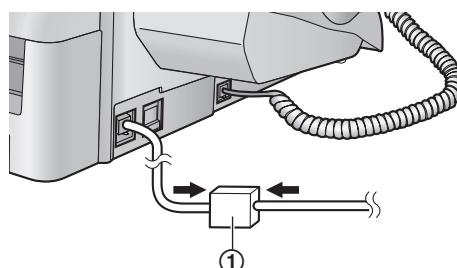
**Routine care**
- Wipe the outer surface of the unit with a soft cloth. Do not use benzine, thinner, or any abrasive powder.

# 3.1 Location of Controls
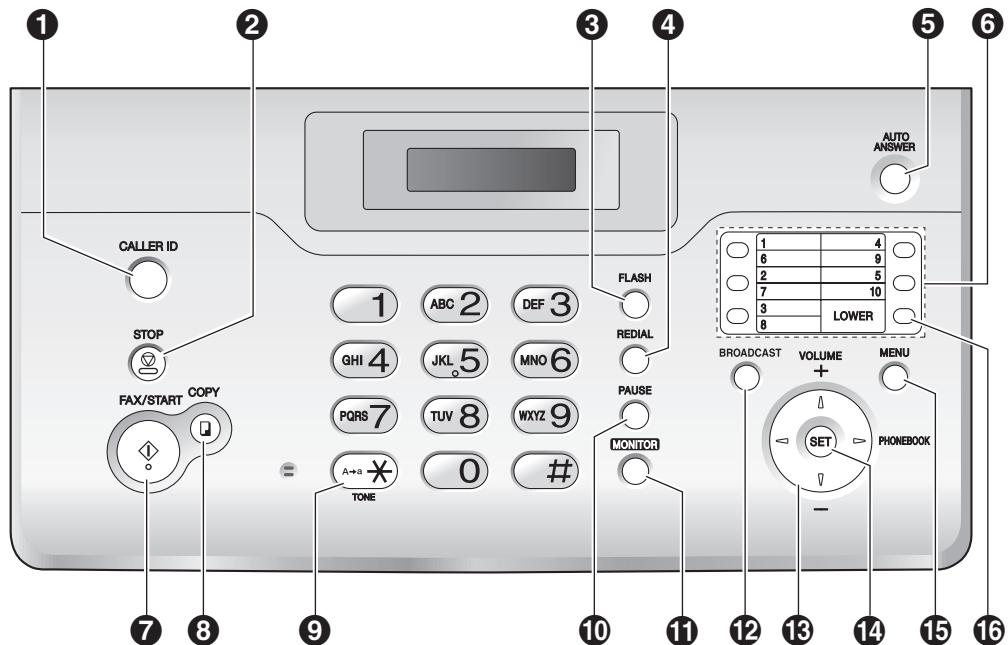
## ❶ **[CALLER ID]**
- To use Caller ID features (page 15).

## ❷ **[STOP]**
- To stop an operation or programming session.
- To erase a character/number (page 12). Press and hold to erase all characters/numbers.

## ❸ **[FLASH]**
- To access special telephone services or for transferring extension calls.

## ❹ **[REDIAL]**
- To redial the last number dialled. If the line is busy when you make a phone call using the **[MONITOR]** button, the unit will automatically redial the number up to 9 times.

## ❺ **[AUTO ANSWER]**
- To turn the auto answer setting ON/OFF (page 21, 23).

## ❻ **Station keys**
- To use one-touch dial feature (page 13).

## ❼ **[FAX/START]**
- To start sending or receiving a fax.

## ❽ **[COPY]**
- To copy a document (page 25).

## ❾ **[TONE]**
- To change from pulse to tone temporarily during dialling when your line has rotary pulse services.

## ❿ **[PAUSE]**
- To insert a pause during dialling.

## ⓫ **[MONITOR]**
- To initiate dialling without lifting the handset.

## ⓬ **[BROADCAST]**
- To transmit a document to multiple parties (page 20).

## ⓭ **Navigator/[VOLUME][PHONEBOOK]**
- To search for a stored item (page 13, 19).
- To select features or feature settings during programming (page 26).
- To adjust volume (page 9).
- To open a phonebook.

## ⓮ **[SET]**
- To store a setting during programming.

## ⓯ **[MENU]**
- To initiate or exit programming.

## ⓰ **[LOWER]**
- To select stations 6-10 for the one-touch dial feature (page 13, 17, 19).

# 3.2 Overview
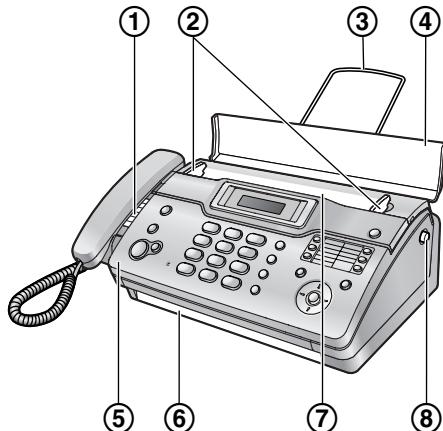


\* The pictured model is KX-FT934.

① **Speaker**
② **Document guides**
③ **Paper stacker (KX-FT934 only)**
- The paper stacker may not be shown in all illustrations in these operating instructions.
④ **Document feeder tray**
⑤ **Top cover**
⑥ **Document exit**
⑦ **Document entrance**
⑧ **Top cover release button**

# 3.3 Adjusting volume



**[SET]**     **[+][−]**
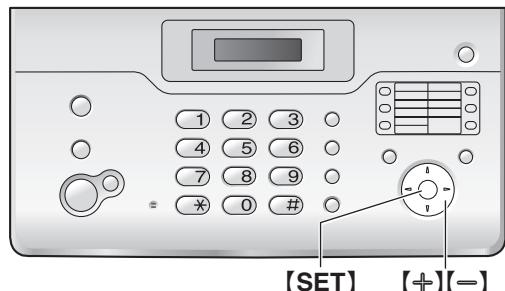
**Ringer volume**

**While the unit is idle,** press **[+]** or **[−]**.
- If any documents are in the document entrance, you cannot adjust the volume. Confirm that there are no documents in the entrance.

**To turn the ringer OFF**

1. Press **[−]** repeatedly to display **"RINGER OFF= OK?"**.
2. Press **[SET]**.

- When a call is received, the unit will not ring and will display **"INCOMING CALL"**.
- To turn the ringer back ON, press **[+]**.

**Ringer type**
● You can select the ringer types from one of 3 types for outside calls (feature #17 on page 27).

**Handset receiver volume**
**While using the handset,** press **【+】** or **【—】**.

**Monitor volume**
**While using the monitor,** press **【+】** or **【—】**.

# 3.4 Dialling mode

If you cannot dial (page 18), change this setting depending on your telephone line service. For tone dial service, select **"TONE"** (default). For rotary pulse dial service, select **"PULSE"**.

**【+】【—】【◄】【►】    【SET】【MENU】**
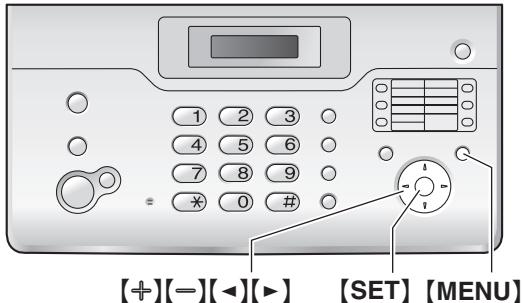
**1** Press **【MENU】**.

> SYSTEM SETUP
> PRESS [◄ ►]

**2** Press **【◄】** or **【►】** repeatedly to display the following.

> DIALLING MODE
> =TONE          [±]

**3** Press **【+】** or **【—】** repeatedly to display the desired setting.

**4** Press **【SET】**.
● The next feature will be displayed.

**5** Press **【MENU】**.

# 3.5 Date and time

You must set the date and time.
● The other party's fax machine will print the date and time on each page you send according to your unit's date and time setting.
● The accuracy of the clock is approximately ±60 seconds a month.
● If a power failure occurs, the date and time setting may be lost. If the correct date and time is not

displayed after the power has been restored, set the date and time again.
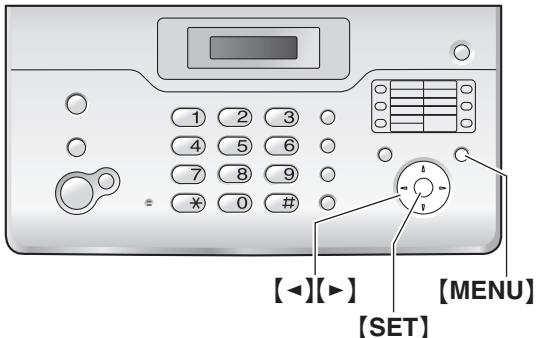
**【◄】【►】        【MENU】**
**【SET】**

**1** Press **【MENU】**.

> SYSTEM SETUP
> PRESS [◄ ►]

**2** Press **【◄】** or **【►】** repeatedly to display the following.

> SET DATE & TIME
> PRESS SET

**3** Press **【SET】**.
● The cursor (▮) will appear on the display.

> M:01/D:01/Y:06
> TIME: 12:00AM

**4** Enter the current month/date/year by selecting 2 digits for each.
**Example: August 10, 2006**
Press **【0】【8】【1】【0】【0】【6】**.

> M:08/D:10/Y:06
> TIME: 12:00AM

**5** Enter the current hour/minute by selecting 2 digits for each. Press **【＊】** repeatedly to select **"AM"**, **"PM"**, or 24-hour time entry.
● When neither **"AM"** nor **"PM"** are displayed, 24-hour time entry is selected.

**Example: 15:20 (24-hour time entry)**
Press **【1】【5】【2】【0】**.

> M:08/D:10/Y:06
> TIME: 15:20

**6** Press **【SET】**.
● The next feature will be displayed.

**7** Press **【MENU】**.

**To correct a mistake**

Press **【◄】** or **【►】** to move the cursor to the incorrect number, and make the correction.

# 3.6 Your logo

Your logo will be printed on the top of each page sent from your unit.

The logo can be your name or the name of your company.

**【FLASH】**



**【STOP】**　　　　　**【SET】**
　　　　**【↓】【─】【◄】【►】　【MENU】**

**1** Press **【MENU】**.

```
SYSTEM SETUP
      PRESS [◄ ►]
```
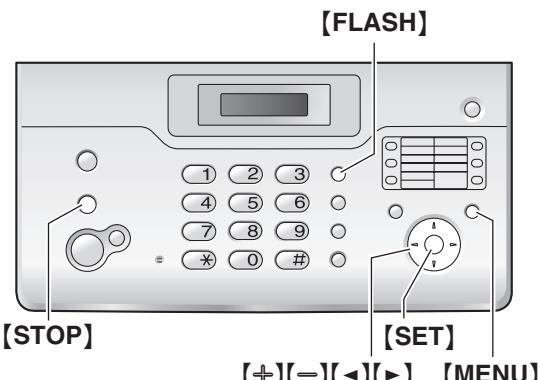
**2** Press **【◄】** or **【►】** repeatedly to display the following.

```
YOUR LOGO
      PRESS SET
```

**3** Press **【SET】**.
   ● The cursor (▮) will appear on the display.

```
LOGO=▮
```

**4** Enter your logo, up to 30 characters. See the following character table for details.

**5** Press **【SET】**.
   ● The next feature will be displayed.

**6** Press **【MENU】**.

**To select characters with the dial keypad**

| Keypad | Characters |
|--------|------------|
| **【1】** | Space # & ' ( ) |
|          | * , – . / 1 |
| **【2】** | A B C 2 |
|          | a b c 2 |
| **【3】** | D E F 3 |
|          | d e f 3 |
| **【4】** | G H I 4 |
|          | g h i 4 |
| **【5】** | J K L 5 |
|          | j k l 5 |
| **【6】** | M N O 6 |
|          | m n o 6 |

| Keypad | Characters |
|--------|------------|
| **【7】** | P Q R S 7 |
|          | p q r s 7 |
| **【8】** | T U V 8 |
|          | t u v 8 |
| **【9】** | W X Y Z 9 |
|          | w x y z 9 |
| **【0】** | Space 0 |
| **【✳】** | To change uppercase or lowercase letter. |
| **【FLASH】** | To enter a hyphen. |
| **【STOP】** | To delete a digit. |

**Note:**
● To enter another character that is located on the same dial key, press **【►】** to move the cursor to the next space.

**To enter your logo**
**Example: "BILL"**

**1.** Press **【2】** 2 times.

```
LOGO=B
```

**2.** Press **【4】** 3 times.

```
LOGO=BI
```

**3.** Press **【5】** 3 times.

```
LOGO=BIL
```

**4.** Press **【►】** to move the cursor to the next space and press **【5】** 3 times.

```
LOGO=BILL
```

**To change uppercase or lowercase letters**
Pressing the **【✳】** button will change to uppercase or lowercase letters alternately.

**1.** Press **【2】** 2 times.

```
LOGO=B
```

**2.** Press **【4】** 3 times.

```
LOGO=BI
```

**3.** Press **【✳】**.

```
LOGO=Bi
```

**4.** Press **[5]** 3 times.

```
LOGO=Bil
```

**To correct a mistake**

**1.** Press **[◄]** or **[►]** to move the cursor to the incorrect character.

**2.** Press **[STOP]**.
 ● To erase all characters, press and hold **[STOP]**.

**3.** Enter the correct character.

**To select characters using [+] or [−]**

Instead of pressing the dial keys, you can select characters using **[+]** or **[−]**.

**1.** Press **[−]** repeatedly to display the desired character. Characters will be displayed in the following order:
 ① Uppercase letters
 ② Number
 ③ Symbol
 ④ Lowercase letters
 ● If you press **[+]**, the order will be reversed.

**2.** Press **[►]** to insert the character.

**3.** Return to step 1 to enter the next character.

# 3.7 Your fax number

Your fax number will be printed on the top of each page sent from your unit.



**[FLASH]**

**[STOP]**  **[SET]**
**[◄][►]**  **[MENU]**

**1** Press **[MENU]**.

```
SYSTEM SETUP
      PRESS [◄ ►]
```
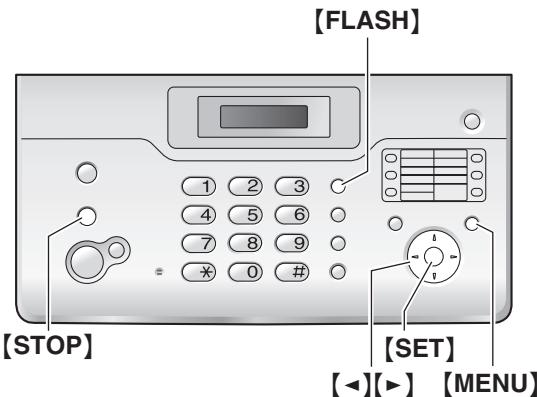
**2** Press **[◄]** or **[►]** repeatedly to display the following.

```
YOUR FAX NO.
       PRESS SET
```

**3** Press **[SET]**.
 ● The cursor (▮) will appear on the display.

```
NO.=▮
```

**4** Enter your fax number, up to 20 digits.

Example:
```
NO.=1234567▮
```

**5** Press **[SET]**.
 ● The next feature will be displayed.

**6** Press **[MENU]**.

**Note:**
 ● The **[＊]** button enters a "+" and the **[♯]** button enters a space.
 **Example: +234 5678**
 Press **[＊][2][3][4][♯][5][6][7][8]**.

 ● To enter a hyphen in a telephone number, press **[FLASH]**.

**To correct a mistake**

**1.** Press **[◄]** or **[►]** to move the cursor to the incorrect number.

**2.** Press **[STOP]**.
 ● To erase all numbers, press and hold **[STOP]**.

**3.** Enter the correct number.

# 4.1 Phonebook

The phonebook allows you to make calls without having to dial manually. You can store 100 names and telephone numbers to the phonebook.

* You can also send faxes using the phonebook (page 19).



**[STOP]**          **[+][–][◄][►] [SET]**
     **[MONITOR]**                    **[MENU]**
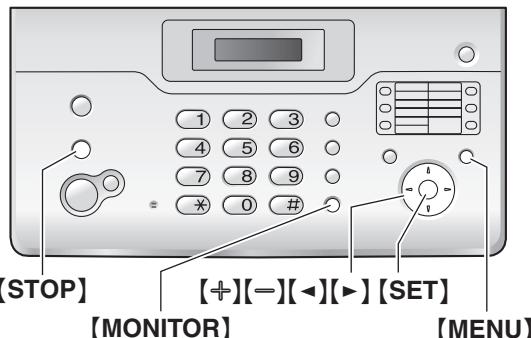
## 4.1.1 Storing phonebook items

**1**   Press **[MENU]** repeatedly to display "**PHONEBOOK SET**".

**2**   Press **[►]**.
* The display shows the number of available items in the phonebook briefly.

**3**   Enter the name, up to 16 characters (see page 11 for instructions).

**4**   Press **[SET]**.

**5**   Enter the telephone number, up to 24 digits.

**6**   Press **[SET]**.
* To program other items, repeat steps 3 to 6.

**7**   Press **[MENU]**.

**Helpful hints:**
* You can confirm the stored items by printing the telephone number list (page 38).

**To correct a mistake**

**1.** Press **[◄]** or **[►]** to move the cursor to the incorrect character/number.

**2.** Press **[STOP]**.
* To erase all characters/numbers, press and hold **[STOP]**.

**3.** Enter the correct character/number.

## 4.1.2 Making a phone call using the phonebook

Before using this feature, store the desired names and telephone numbers in the phonebook (page 13).

**1**   Press **[►]**.

**2**   Press **[+]** or **[–]** repeatedly to display the desired item.

**3**   Lift the handset or press **[MONITOR]**.
* The unit will start dialling automatically.

**To search for a name by initial**
**Example: "LISA"**

**1.** Press **[►]**.

**2.** Press **[+]** or **[–]** to enter the phonebook.

**3.** Press **[5]** repeatedly to display any name with the initial "**L**" (see the character table, page 11).
* To search for symbols (not letters or numbers), press **[1]**.

**4.** Press **[–]** repeatedly to display "**LISA**".
* To stop the search, press **[STOP]**.
* To dial the displayed party, lift the handset or press **[MONITOR]**.

## 4.1.3 Editing a stored item

**1**   Press **[►]**.

**2**   Press **[+]** or **[–]** repeatedly to display the desired item.

**3**   Press **[MENU]**.

**4**   Press **[✱]**.
* If you do not need to edit the name, skip to step 6.

**5**   Edit the name. For further details, see the storing procedure on page 13.

**6**   Press **[SET]**.
* If you do not need to edit the telephone number, skip to step 8.

**7**   Edit the telephone number. For further details, see the storing procedure on page 13.

**8**   Press **[SET]**.

## 4.1.4 Erasing a stored item

**1**   Press **[►]**.

**2**   Press **[+]** or **[–]** repeatedly to display the desired item.

**3**   Press **[MENU]**.

**4**   Press **[♯]**.
* To cancel erasing, press **[STOP]**.

**5**   Press **[SET]**.

# 4.2 One-touch dial feature

For rapid access to frequently dialled numbers, the unit provides the one-touch dial feature (10 items).

● You can also send faxes using the one-touch dial feature (page 19).

Station keys 【LOWER】



**【STOP】**  **【＋】【－】【◄】【►】 【SET】**
**【MONITOR】**                **【MENU】**
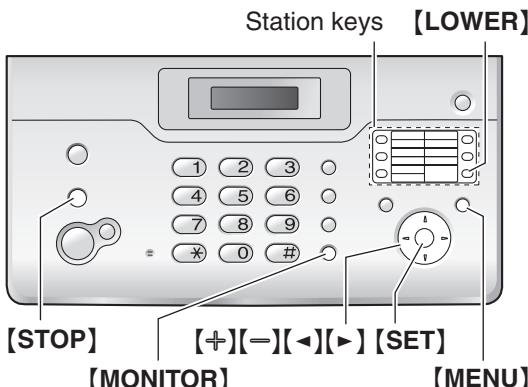
### 4.2.1 Storing one-touch dial items

**1** Press **【MENU】** repeatedly to display "**PHONEBOOK SET**".

**2** Select the desired station key.

   **For stations 1–5:**

   Press one of the station keys.

   **For stations 6–10:**

   Press **【LOWER】**, then press one of the station keys.

**3** Enter the name, up to 16 characters (see page 11 for instructions).

**4** Press **【SET】**.

**5** Enter the telephone number, up to 24 digits.

**6** Press **【SET】**.
   ● To program other items, repeat steps 2 to 6.

**7** Press **【STOP】**.

**To correct a mistake**

1. Press **【◄】** or **【►】** to move the cursor to the incorrect character/number.

2. Press **【STOP】**.
   ● To erase all characters/numbers, press and hold **【STOP】**.

3. Enter the correct character/number.

### 4.2.2 Making phone calls using the one-touch dial

Before using this feature, store the desired names and telephone numbers for the one-touch dial feature (page 13).

**1** Lift the handset or press **【MONITOR】**.

**2** Select the desired station key.

   **For stations 1–5:**

   Press the desired station key.

   **For stations 6–10:**

   Press **【LOWER】**, then press the desired station key.

   ● The unit will start dialling automatically.

### 4.2.3 Editing a stored item

**1** Press **【►】**.

**2** Press **【＋】** or **【－】** repeatedly to display the desired item.

**3** Press **【MENU】**.

**4** Press **【＊】**.
   ● If you do not need to edit the name, skip to step 6.

**5** Edit the name. For further details, see the storing procedure on page 14.

**6** Press **【SET】**.
   ● If you do not need to edit the telephone number, skip to step 8.

**7** Edit the telephone number. For further details, see the storing procedure on page 14.

**8** Press **【SET】**.

### 4.2.4 Erasing a stored item

**1** Press **【►】**.

**2** Press **【＋】** or **【－】** repeatedly to display the desired item.

**3** Press **【MENU】**.

**4** Press **【♯】**.
   ● To cancel erasing, press **【STOP】**.

**5** Press **【SET】**.

## 4.3 Caller ID service

**This unit is compatible with Caller ID service offered by your local telephone company. To use this feature, you must subscribe to Caller ID service.**

**Important:**
● **This unit will only display the caller's telephone number and name.**
● **This unit will not support future additional telephone services.**
● **This unit cannot support services based on the "DTMF based subscriber line protocol".**
● **Depending on the service of the local telephone company, the date/time of the call or the caller's name may not be displayed.**

**Make sure the following ring setting is set to 2 or more rings beforehand.**

– FAX ring setting (feature #06 on page 26)
– TEL/FAX ring setting (feature #78 on page 28)

14

## 4.3.1 How Caller ID is displayed

When an outside call is received, the calling party's telephone number or name will be displayed. You then have the option of whether or not to answer the call. The unit will automatically store caller information (telephone number, name, date and time of the call) of the last 30 different callers. Caller information is stored by the most recent to the oldest call. When the 31st call is received, the oldest call is deleted.

Caller information can be viewed on the display one item at a time (page 15) or confirmed by printing the Caller ID list (page 38).

**Note:**
● Caller information can be displayed up to 16 digits/characters.
● When caller information is received and it matches a telephone number stored in the unit's phonebook, the stored name will be displayed.
● If the unit is connected to a PBX (Private Branch Exchange) system, caller information may not be received properly. Consult your PBX supplier.
● If the unit cannot receive caller information, the following will be displayed:
   **"OUT OF AREA"**: The caller dialled from an area which does not provide Caller ID service.
   **"PRIVATE CALLER"**: The caller requested not to send caller information.
   **"LONG DISTANCE"**: The caller made a long distance call.

**To confirm caller information by printing the Caller ID list**
– To print manually, see page 38.
– To print automatically after every 30 new calls, activate feature #26 (page 27).

# 4.4 Viewing and calling back using caller information

You can easily view caller information and call back.

**Important:**
● **Calling back will not be possible in the following cases:**
   – **The telephone number includes data other than numbers (i.e., ✱ or #).**
   – **The caller information does not include a telephone number.**
● **If the area code of the received telephone number is the same as yours, the area code may need to be deleted before calling back. This may only apply to some areas. To edit the number, see page 16.**

The display will show the number of new calls in standby mode.

Example:

```
10 NEW CALLS
10:59AM
```

【CALLER ID】



【FAX/START】        【+】【−】
【STOP】            【MONITOR】
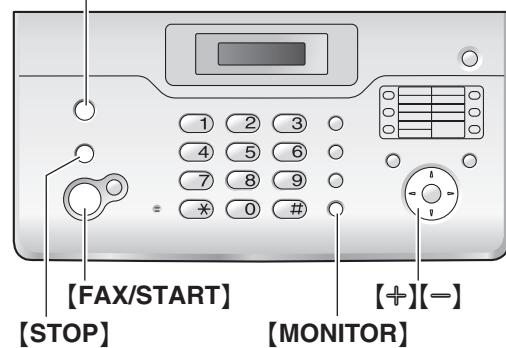
1 Press **【CALLER ID】**.

2 Press **【−】** to search from the recently received caller information.
   ● If you press **【+】**, the display order will be reversed.

3 Lift the handset or press **【MONITOR】** to return the call.
   ● The unit will start dialling automatically.
   ● To send a fax, insert the document FACE DOWN and press **【FAX/START】**.

**To change the way caller information is displayed**
Press **【CALLER ID】** repeatedly after the caller information is displayed.

Example:

```
SAM LEE
Jul.20 11:20AM ✓
```
↕
```
1345678901
Jul.20 11:20AM ✓
```

● A ✓ on the display means the item has already been viewed or answered.

**Display while viewing**
● When the unit could not receive a name, the display will show **"NO NAME RCVD"**.
● When no calls have been received, the display will show **"MEMORY EMPTY"**.

**To stop viewing**

Press **【STOP】**.

## 4.5 Editing a caller's telephone number before calling back

**【CALLER ID】**



**【FAX/START】**
**【STOP】**          **【MONITOR】**
**【+】【−】【◄】【►】**
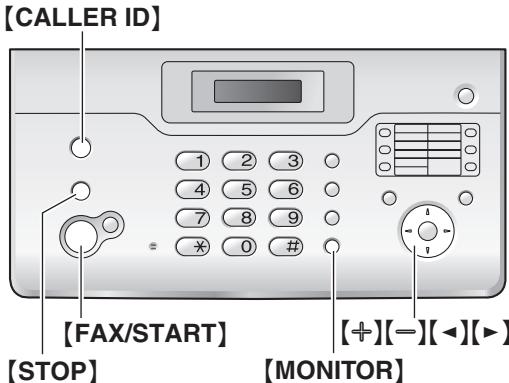
**1** Press **【CALLER ID】**.

**2** Press **【+】** or **【−】** repeatedly to display the desired item.

**3** Press **【CALLER ID】** to display the telephone number.

**4** To insert a number in front of the telephone number, press the desired dial key (**【0】** to **【9】**).
- You can also initiate the editing mode by pressing **【＊】**.

**5** Lift the handset or press **【MONITOR】** to call back the edited number.
- The unit will start dialling automatically.
- To send a fax, insert the document FACE DOWN and press **【FAX/START】**.

**Note:**
- The edited telephone number will not be saved as caller information. To store it into the phonebook, see page 17.

#### To correct a mistake

**1.** Press **【◄】** or **【►】** to move the cursor to the incorrect number.

**2.** Press **【STOP】** to delete the number.

**3.** Enter the correct number.

#### To delete a number

Press **【◄】** or **【►】** to move the cursor to the number you want to delete and press **【STOP】**.

#### To insert a number

**1.** Press **【◄】** or **【►】** to move the cursor to the position to the right of where you want to insert the number.

**2.** Enter the number.

## 4.6 Erasing caller information

**【CALLER ID】**



**【STOP】**          **【+】【−】【◄】**     **【MENU】**
                                    **【SET】**
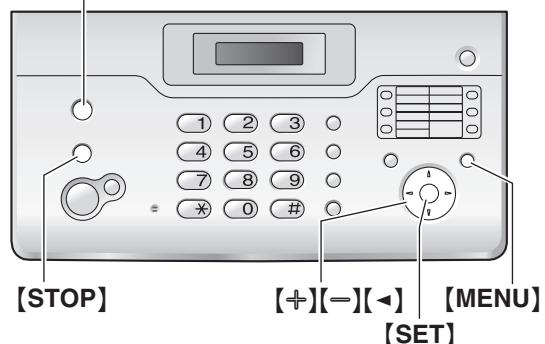
#### Erasing all caller information

**1.** Press **【MENU】** repeatedly to display "**CALLER SETUP**".

**2.** Press **【SET】**.
- "**CALL LIST ERASE**" will be displayed.

**3.** Press **【SET】**.
- To cancel erasing, press **【STOP】** 3 times.

**4.** Press **【SET】**.

**5.** Press **【STOP】**.

#### Erasing specific caller information

**1.** Press **【CALLER ID】**.

**2.** Press **【+】** or **【−】** repeatedly to display the desired item.

**3.** Press **【◄】**.
- To cancel erasing, press **【STOP】** 2 times.

**4.** Press **【SET】**.
- To erase other items, repeat steps 2 to 4.

**5.** Press **【STOP】**.

## 4.7 Storing caller information into the phonebook / one-touch dial

**Important:**
- **This feature is not available if the caller information does not include a telephone number.**

## 4.7.1 Into the phonebook

**【CALLER ID】**
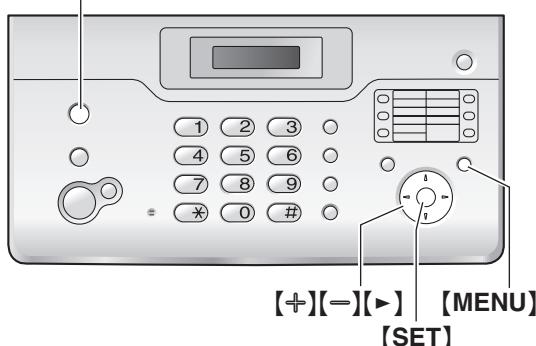


**【+】【−】【►】**  **【MENU】**
**【SET】**

**1** Press **【CALLER ID】**.

**2** Press **【+】** or **【−】** repeatedly to display the desired item.

**3** Press **【MENU】**.

**4** Press **【►】**.
  ● If you do not need to edit the name, skip to step 6.

**5** If a name is required, enter up to 16 characters for the name (page 11).

**6** Press **【SET】**.
  ● If the number requires editing, see page 16.

**7** Press **【SET】**.

**Note:**
● You can confirm the stored items in the phonebook by printing the telephone number list (page 38).
● To edit a name, see page 13.

## 4.7.2 Into the one-touch dial

**【CALLER ID】**      Station keys  **【LOWER】**



**【SET】**
**【+】【−】**  **【MENU】**
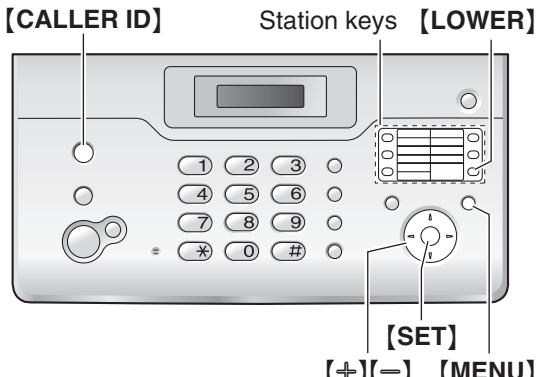
**1** Press **【CALLER ID】**.

**2** Press **【+】** or **【−】** repeatedly to display the desired item.

**3** Press **【MENU】**.

**4** Select a station key.

  **For stations 1–5:**

  Press the desired station key.

  **For stations 6–10:**

  Press **【LOWER】**, then press the desired station key.
  ● If you do not need to edit the name, skip to step 6.

**5** If a name is required, enter up to 16 characters for the name (page 11).

**6** Press **【SET】**.
  ● If the number requires editing, see page 16.

**7** Press **【SET】**.

**Note:**
● You can confirm the stored items in the one-touch dial by printing the telephone number list (page 38).
● To edit a name, see page 13.

# 5.1 Sending a fax manually
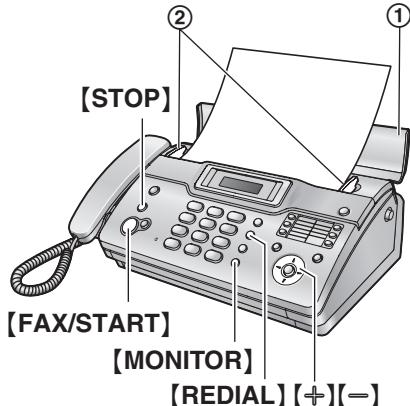


**[STOP]**

**[FAX/START]**

**[MONITOR]**

**[REDIAL] [+] [−]**

**1** Open the document feeder tray (①), then adjust the width of the document guides (②) to fit the actual size of the document.

**2** Insert the document (up to 10 pages) FACE DOWN until a single beep is heard and the unit grasps the document.
   ● If the document guides are not adjusted to fit the document, re-adjust them.

**3** If necessary, press **[+]** or **[−]** repeatedly to select the desired resolution.

**4** Lift the handset or press **[MONITOR]**.

**5** Dial the fax number.

**6** **When a fax tone is heard:**
   Press **[FAX/START]**.

   **When the other party answers your call:**

   Ask them to press their start button. When the fax tone is heard, press **[FAX/START]**.
   If you pressed **[MONITOR]** in step 4, lift the handset before speaking.

**Note:**
● After pressing **[FAX/START]**, you can replace the handset.

**To select the resolution**
Select the desired resolution according to the type of document.
– **"STANDARD"**: For printed or typewritten documents with normal-sized characters.
– **"FINE"**: For documents with small print.
– **"SUPER FINE"**: For documents with very small print. This setting is effective only when the other party has a compatible fax machine.
– **"PHOTO"**: For documents containing photographs, shaded drawings, etc.
● Using the **"FINE"**, **"SUPER FINE"** and **"PHOTO"** settings will increase transmission time.
● If the resolution setting is changed during feeding, it will be effective from the next page.

**To redial the last number**
**1.** Press **[REDIAL]**.
**2.** Press **[FAX/START]**.
● If the line is busy, the unit will automatically redial the number up to 5 times.
● To cancel redialling, press **[STOP]**.

**To send more than 10 pages at a time**
Insert the first 10 pages of the document. Add the other pages (up to 10 at a time) on top of the previously inserted pages before the last page feeds into the unit.

**To predial a fax number**
You can dial the fax number first before inserting the document. This is convenient if you need to refer to the document for the other party's fax number.
**1.** Enter the fax number.
**2.** Insert the document.
**3.** Press **[FAX/START]**.

**To stop transmission**
Press **[STOP]**.

**Printing a sending report**
A sending report provides you with a printed record of transmission results. To print sending reports, make sure feature #04 is activated (page 26). For an explanation of error messages, see page 31.

**Printing a journal report**
A journal report provides you with a printed record of the 30 most recent faxes. To print manually, see page 38. To print automatically after every 30 new fax transmissions and receptions, make sure feature #22 is activated (page 27). For an explanation of error messages, see page 31.

# 5.2 Documents you can send

**Minimum document size**



128 mm

128 mm
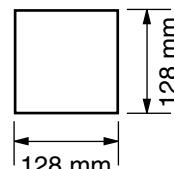
**Maximum document size**
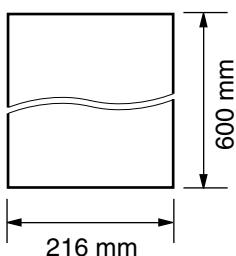


**Effective scanning area**
● Shaded area will be scanned.
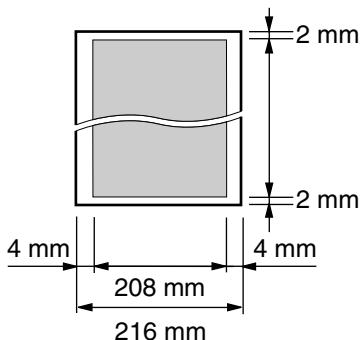


**Document weight**
● Single sheet: 45 g/m$^2$ to 90 g/m$^2$
● Multiple sheets: 60 g/m$^2$ to 80 g/m$^2$

**Note:**
● Remove clips, staples or other fasteners.
● Do not send or copy documents that are on the following types of paper: (Make a copy of the document using another copier and send the copy.)
  – Chemically treated paper such as carbon or carbonless duplicating paper
  – Electrostatically charged paper
  – Badly curled, creased or torn paper
  – Paper with a coated surface
  – Paper with a faint image
  – Paper with printing on the opposite side that can be seen through the other side, such as newsprint.
● Check that ink, paste or correction fluid has dried completely.
● To send a document with a width of less than 210 mm, we recommend using a copy machine to copy the original document onto A4 or letter-sized paper, then sending the copied document.

# 5.3 Sending a fax using the phonebook / one-touch dial

Before using this feature, store the desired names and telephone numbers into the phonebook (page 13) or one-touch dial (page 14).
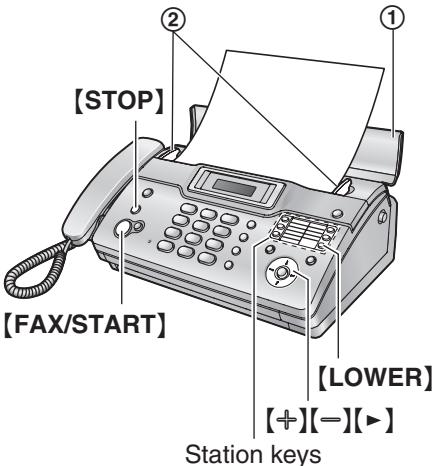


Station keys

**1** Open the document feeder tray (①), then adjust the width of the document guides (②) to fit the actual size of the document.

**2** Insert the document (up to 10 pages) FACE DOWN until a single beep is heard and the unit grasps the document.
  ● If the document guides are not adjusted to fit the document, re-adjust them.

**3** If necessary, press **【+】** or **【–】** repeatedly to select the desired resolution (page 18).

**4** Enter the fax number.

  **Using one-touch dial:**

  **For stations 1–5**

  Press the desired station key.

  **For stations 6–10**

  Press **【LOWER】**, then press the desired station key.

  **Using phonebook:**

  Press **【►】**, then **【+】** or **【–】** repeatedly to display the desired item and press **【FAX/START】**.

**Fax auto redial**
If the line is busy or if there is no answer, the unit will automatically redial the number up to 5 times.
● To cancel redialling, press **【STOP】**.

**If your unit does not send a fax**
● Confirm that you have entered the number correctly, and that the number is a fax number.
● Confirm that the other party's fax machine is answering by turning ON the connecting tone feature (feature #76 on page 28).

# 5.4 Broadcast transmission

By storing phonebook items (page 13) or one-touch dial (page 14) into the broadcast memory, you can send the same document to multiple parties (up to 20). Your programmed items will remain in the broadcast memory, allowing frequent re-use.

● Both phonebook items and one-touch dial can be stored into the broadcast memory.

Station keys **[LOWER]**



**[STOP]**     **[BROADCAST]**  **[SET]**
   **[FAX/START]**        **[+][−][►]**  **[MENU]**
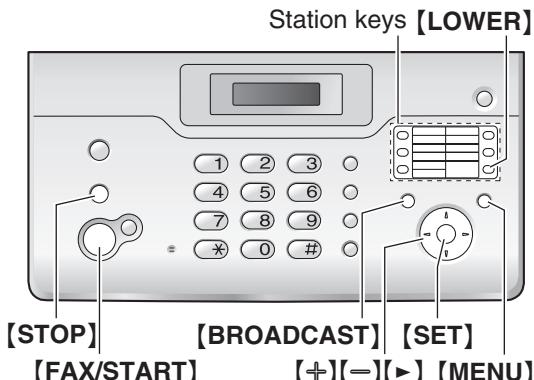
## 5.4.1 Programming items into the broadcast memory

**1** Press **[MENU]** repeatedly to display **"BROADCAST"**.

**2** Press **[SET]**.

**3** Program items.

**Using stations 1–5:**
Press the desired station key.

**Using stations 6–10:**
Press **[LOWER]**, then press the desired station key.

**Using phonebook:**

Press **[+]** or **[−]** repeatedly to display the desired item and press **[SET]**.

● To program other items, repeat this step (up to 20 items).
● If you program the wrong item, press **[STOP]** to erase the item.

**4** Press **[SET]**.

**5** Press **[STOP]**.

**Note:**
● Confirm the stored items by printing a broadcast programming list (page 38).

## 5.4.2 Adding a new item into the broadcast memory

After initial programming, you can add new items (up to a combined total of 20).

**1** Press **[►]**.

**2** Press **[+]** or **[−]** repeatedly to display **"<BROADCAST>"**.

**3** Press **[MENU]**.

**4** Press **[✱]**.

**5** Press **[+]** or **[−]** repeatedly to display the desired item you want to add.

**6** Press **[SET]**.
● To add other items, repeat steps 5 and 6 (up to 20 items).

**7** Press **[STOP]**.

## 5.4.3 Erasing a stored item from the broadcast memory

**1** Press **[►]**.

**2** Press **[+]** or **[−]** repeatedly to display **"<BROADCAST>"**.

**3** Press **[MENU]**.

**4** Press **[♯]**.

**5** Press **[+]** or **[−]** repeatedly to display the desired item you want to erase.
● To cancel erasing, press **[STOP]**.

**6** Press **[SET]**.

**7** Press **[SET]**.
● To erase other items, repeat steps 5 to 7.

**8** Press **[STOP]**.

## 5.4.4 Sending the same document to pre-programmed parties

**1** Insert the document FACE DOWN.

**2** If necessary, press **[+]** or **[−]** repeatedly to select the desired resolution (page 18).

**3** Press **[BROADCAST]**.
● The document will be fed into the unit and scanned into memory. The unit will then send the data to each party, calling each number sequentially.
● After transmission, the stored document will be erased from memory automatically, and the unit will automatically print a report (**Broadcast sending report**).

**Note:**
● If you select **"FINE"**, **"SUPER FINE"** or **"PHOTO"** resolution, the number of pages that the unit can send will decrease.
● If the document exceeds the memory capacity, sending will be cancelled.
● If a party is busy or does not answer, it will be skipped and redialled later up to 5 times.

**To send the same document to a one-time group of parties**
You can also select a one-time group of parties to send the same document to. After transmission, this group will be deleted.

1. Insert the document.

2. Press **[►]**.

3. Press **[+]** or **[—]** repeatedly to display "**<ONE TIME BROAD>**".

4. Press **[SET]** to start programming the parties you want to send the document to.

5. Program items.

   **Using stations 1–5:**
   Press the desired station key.

   **Using stations 6–10:**
   Press **[LOWER]**, then press the desired station key.

   **Using phonebook:**

   Press **[+]** or **[—]** repeatedly to display the desired item and press **[SET]**.

   - To program other items, repeat this step (up to 20 items).
   - If you program the wrong item, press **[STOP]** to erase the item.

6. Press **[FAX/START]** to start transmission to the programmed parties.

**To cancel broadcast transmission**

1. Press **[STOP]** repeatedly until "**SEND CANCELLED?**" is displayed.

2. Press **[SET]**.

**Note:**
- You can confirm the cancelled recipients on the Broadcast reports that will be printed after the cancellation is completed.

# 5.5 Selecting the way to use your fax machine

Depending on your situation, select the way you prefer to use your fax machine.
- Use only as a fax (FAX ONLY mode)
- Use mostly as a telephone (TEL mode)
- Use as a telephone and/or fax (TEL/FAX mode)

## 5.5.1 Use only as a fax (FAX ONLY mode)

**Your situation**
You have a separate telephone line just for faxes.

**Setup**
Set the fax machine to FAX ONLY mode (page 23) by pressing **[AUTO ANSWER]** repeatedly.
- The **[AUTO ANSWER]** indicator turns ON.



**How faxes are received**
All incoming calls will be answered as faxes.

## 5.5.2 Use mostly as a telephone (TEL mode)

**Your situation**
You want to answer calls by yourself. If a fax call is received, you must receive the fax manually.

**Setup**
Set the fax machine to TEL mode (page 21) by pressing **[AUTO ANSWER]** repeatedly.
- The **[AUTO ANSWER]** indicator turns OFF.
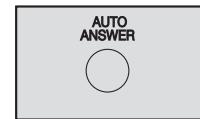


**How to receive phone calls and faxes**
You have to answer all calls manually.
To receive a fax, press **[FAX/START]**.

## 5.5.3 Use as a telephone and/or fax (TEL/FAX mode)

**Your situation**
You want to answer phone calls yourself and receive faxes automatically without rings.

**Setup**
Set the fax machine to TEL/FAX mode (page 22) by pressing **[AUTO ANSWER]** repeatedly.
- The **[AUTO ANSWER]** indicator turns OFF.



**Note:**
- Make sure feature #73 is set to "**TEL/FAX**" beforehand (page 28).

**How phone calls and faxes are received**
If the call is a phone call, the fax machine will ring.
If a fax calling tone is detected, the fax machine will receive the fax automatically without ringing.

# 5.6 Receiving a fax manually – Auto answer OFF

## 5.6.1 Activating TEL mode

Set the fax machine to TEL mode by pressing **[AUTO ANSWER]** repeatedly to display the following.

```
TEL MODE
```

● The **[AUTO ANSWER]** indicator turns OFF.



**[STOP]**
**[FAX/START]**

**How to receive phone calls and faxes**

**1.** Lift the handset to answer the call.

**2.** When:
   – document reception is required,
   – a fax calling tone (slow beep) is heard, or
   – no sound is heard,

   press **[FAX/START]**.

CONNECTING.....

● The unit will start fax reception.

**3.** Replace the handset.

**Note:**
● If you do not answer the call within 15 rings, the unit will temporarily switch to fax reception. The other party can then send a fax.

**How to receive phone calls and faxes with an extension telephone**

If you have another telephone connected to the same line (extension telephone), you can use the extension telephone to receive faxes.

**1.** When the extension telephone rings, lift the handset of the extension telephone.

**2.** When:
   – document reception is required,
   – a fax calling tone (slow beep) is heard, or
   – no sound is heard,

   press **[✶][✶][✶][9]** (default fax activation code) **firmly**.
   ● The fax machine will start fax reception.

**3.** Replace the handset.

**Note:**
● To receive fax documents using the extension telephone, make sure remote fax activation is turned ON beforehand (feature #41 on page 28). The default setting is ON.

**To stop receiving**

Press **[STOP]**.

### 5.6.2 Activating TEL/FAX mode

**1** Make sure feature #73 is set to **"TEL/FAX"** beforehand (page 28).

**2** Press **[AUTO ANSWER]** repeatedly to display the following.

TEL/FAX MODE

● The **[AUTO ANSWER]** indicator turns OFF.

**3** The ringer volume setting should be ON (page 9).



**[FAX/START]**

**How phone calls and faxes are received**

**1.** **"INCOMING CALL"** will be displayed but the unit will not ring.

**2.** The unit will wait for the duration of **2 rings** before answering the call.
   ● The number of rings is determined by the **"TEL/FAX delayed ring setting"** (feature #78 on page 28).
   ● During this time, an extension telephone (if connected to the same line) will ring.

**3.** The unit will answer the call and try to detect a fax calling tone.
   **When a fax calling tone is detected**
   The unit receives the fax automatically without ringing.
   **When a fax calling tone is not detected**
   ❶ The unit will ring. You may answer the call.
   ● Callers will hear a ring back tone different from the one generated by the telephone company.
   ● An extension telephone (if connected to the same line) will not ring at this time.

   ❷ If you do not answer the call, the unit will activate the fax function.
   ● Some fax machines do not generate fax calling tones when sending faxes, therefore the unit will

try to receive a fax even if no fax calling tone is detected.

**Note:**

● If you answer a call with the extension telephone, the fax machine may activate the fax function depending on the type of an extension telephone. Press **[STOP]** on the fax machine to talk with the calling party.

# 5.7 Receiving a fax automatically – Auto answer ON

## 5.7.1 Activating FAX ONLY mode

Press **[AUTO ANSWER]** repeatedly to display the following.

```
FAX ONLY MODE
```

● The **[AUTO ANSWER]** indicator turns ON.
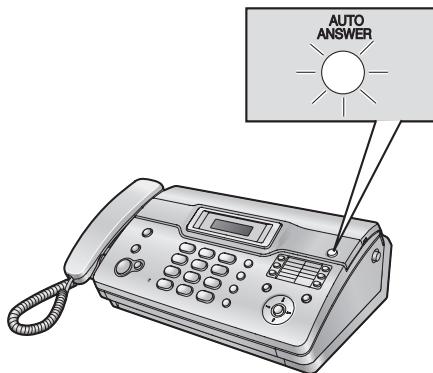


### How faxes are received

When receiving calls, the unit will automatically answer all calls and only receive fax documents.

**Note:**

● The number of rings before a call is answered in FAX ONLY mode can be changed (feature #06 on page 26).

# 5.8 Receive polling

This feature allows you to retrieve a document by calling an available polling service. Therefore you pay for the call. Make sure that no documents are fed into your unit.
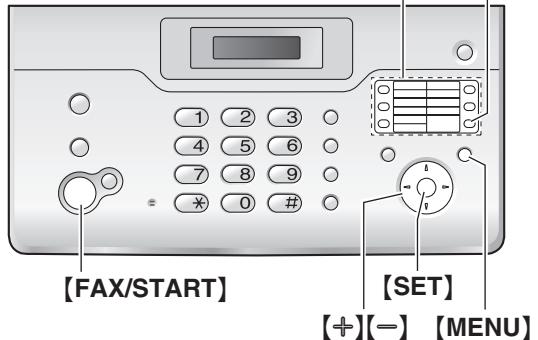


**1** Press **[MENU]** repeatedly to display "**POLLING**".

**2** Press **[SET]**.

**3** Dial the fax number.
**Using dial keys ([0] to [9], [✳] or [♯]):**
Enter the fax number.

**Using one-touch dial:**

**For stations 1–5**

Press the desired station key.

**For stations 6–10**

Press **[LOWER]**, then press the desired station key.

**Using phonebook:**

Press **[+]** or **[−]** repeatedly to display the desired item.

**4** Press **[FAX/START]**.

● The unit will start fax reception.

# 6.1 Using with the Distinctive Ring feature

When you subscribe to a duplex ring service, your telephone company will assign you a new fax number and will also tell you the assigned ring pattern. Please complete the following setup on your fax machine to identify the assigned ring pattern.



【+】【−】　　【SET】【MENU】
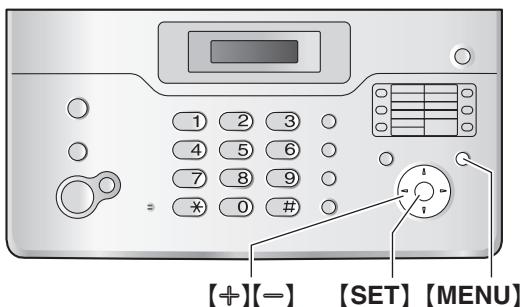
**1** Press 【MENU】.

**2** Press 【♯】 then 【3】【1】.

**3** Press 【+】 or 【−】 to select "ON".

**4** Press 【SET】.

**5** Press 【MENU】.

# 7.1 Making a copy
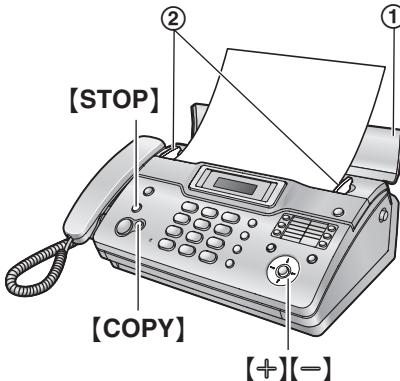


**1** Open the document feeder tray (①), then adjust the width of the document guides (②) to fit the actual size of the document.

**2** Insert the document (up to 10 pages) FACE DOWN until a single beep is heard and the unit grasps the document.
  ● If the document guides are not adjusted to fit the document, re-adjust them.

**3** If necessary, press **[+]** or **[−]** repeatedly to select the desired resolution.

**4** Press **[COPY]**.
  ● The unit will start copying.

**Note:**
● When you copy a multiple-page document which is longer than A4 size paper (approx. 300 mm), we recommend you insert one page at a time.
● Any document which can be sent as a fax can also be copied (page 18).
● The copied recording paper comes out somewhat longer than the document size.

**To select the resolution**
Select the desired resolution according to the type of document.
– **"FINE"**: For printed or typewritten documents with small print.
– **"SUPER FINE"**: For documents with very small print.
– **"PHOTO"**: For documents containing photographs, shaded drawings, etc.

● If you select **"STANDARD"**, copying will be done using **"FINE"** mode.

**To stop copying**

Press **[STOP]**.

# 8.1 Programming



**[＋][－][◄][►]    [SET] [MENU]**
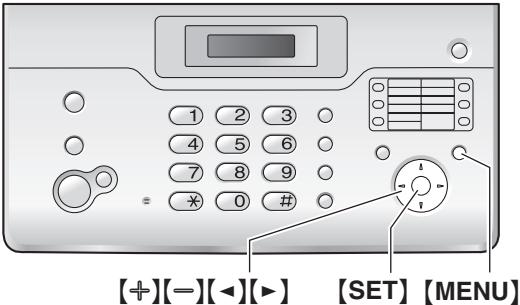
## 8.1.1 Programming basic features

**1** Press **[MENU]**.

**2** Select the feature you wish to program.
Press **[◄]** or **[►]** repeatedly to display the desired feature.
- The current setting of the feature will be displayed.

**3** Press **[＋]** or **[－]** repeatedly to display the desired setting.
- This step may be slightly different depending on the feature.

**4** Press **[SET]**.
- The setting you selected is set, and the next feature will be displayed.

**5** To exit programming, press **[MENU]**.

## 8.1.2 Programming advanced features

**1** Press **[MENU]**.

**2** Press **[◄]** or **[►]** repeatedly to display **"ADVANCE SETTINGS"**.

**3** Press **[SET]**.

**4** Select the feature you wish to program.
Press **[◄]** or **[►]** repeatedly to display the desired feature.
- The current setting of the feature will be displayed.

**5** Press **[＋]** or **[－]** repeatedly to display the desired setting.
- This step may be slightly different depending on the feature.

**6** Press **[SET]**.
- The setting you selected is set, and the next feature will be displayed.

**7** To exit programming, press **[MENU]** at any time.

**To program by entering the program code number directly**

You can select a feature by directly entering its program code (# and a 2-digit number) instead of using **[◄]** or **[►]**.

**1.** Press **[MENU]**.

**2.** Press **[♯]** and the 2-digit code (page 26 to page 28).

**3.** Press **[＋]** or **[－]** repeatedly to display the desired setting.
- This step may be slightly different depending on the feature.

**4.** Press **[SET]**.

**5.** To exit programming, press **[MENU]**.

**To cancel programming**

Press **[MENU]** to exit.

# 8.2 Basic features

**Code #01: Setting the date and time**

```
SET DATE & TIME
        PRESS SET
```

See page 10 for details.

**Code #02: Setting your logo**

```
YOUR LOGO
        PRESS SET
```

See page 10 for details.

**Code #03: Setting your fax number**

```
YOUR FAX NO.
        PRESS SET
```

See page 12 for details.

**Code #04: Printing a sending report**

```
SENDING REPORT
=ERROR       [±]
```

To print a sending report for fax transmission results (page 18).
**"ERROR"** (default): A sending report will be printed only when fax transmission fails.
**"ON"**: A sending report will be printed after every transmission.
**"OFF"**: The sending reports will not be printed.

**Code #06: Changing the ring setting in FAX ONLY mode**

```
FAX RING COUNT
RINGS=2      [±]
```

To change the number of rings before the unit answers a call in FAX ONLY mode.
You can select **"1"**, **"2"** (default), **"3"**, **"4"** or **"5 EXT.TAM"**.

**Code #13: Setting the dialling mode**

```
DIALLING MODE
=TONE          [±]
```

See page 10 for details.

**Code #17: Setting the ringer type for outside calls**

```
EXT RINGER TYPE
=RINGER 1      [±]
```

To set the ringer type from one of 3 types for outside calls. You can select "**RINGER 1**" (default), "**RINGER 2**" or "**RINGER 3**".

# 8.3 Advanced features

See page 26 for how to enter advanced feature programming.

**Code #22: Setting the journal report to print automatically**

```
AUTO JOURNAL
=ON            [±]
```

"**ON**" (default): The unit will print a journal report automatically after every 30 new fax transmissions and receptions (page 18).
"**OFF**": The unit will not print a journal report, but will keep a record of the last 30 fax transmissions and receptions.

**Code #23: Sending documents overseas**

```
OVERSEAS MODE
=ERROR         [±]
```

If you cannot send a fax overseas even if the number is correct and the line is connected, activate this feature before sending the fax.
This feature improves the reliability by reducing the transmission speed.
"**ERROR**" (default): When the previous fax transmission fails and you wish to re-send the document.
"**NEXT FAX**": This setting is effective only for the next attempted fax transmission. After transmission, the unit will return to the previous setting.
"**OFF**": Deactivates this feature.

**Note:**
● This feature is not available for broadcast transmission.
● Calling charges may be higher than usual.

**Code #25: Sending a fax at a specific time**

```
DELAYED SEND
=OFF           [±]
```

This feature allows you to take advantage of low-cost calling hours offered by your telephone company. This feature can be set up to 24 hours in advance of the desired time.
**To send a document:**

1. Insert the document.
2. If necessary, press **[+]** or **[−]** repeatedly to select the desired resolution (page 18).
3. Press **[MENU]**.
4. Press **[♯]** then **[2][5]**.
5. Press **[+]** or **[−]** repeatedly to select "**ON**".
6. Press **[SET]**.
7. Enter the fax number.
8. Press **[SET]**.
9. Enter the transmission start time.
   ● If you select 12-hour time entry when you set the date and time (page 10), press **[✳]** repeatedly to select "**AM**" or "**PM**".
   ● If you selected 24-hour time entry when you set the date and time (page 10), the time is set using 24-hour time entry.
10. Press **[SET]**.
11. Press **[MENU]**.

**Note:**
● To cancel after programming, press **[STOP]** then **[SET]**.

**Code #26: Setting the Caller ID list to print automatically**

```
AUTO CALL. LIST
=OFF           [±]
```

"**ON**": The Caller ID list will be printed automatically each time the unit logs 30 different callers (page 15).
"**OFF**" (default): The Caller ID list will not be printed, but the unit will keep a record of the information for the last 30 different callers.

**Code #31: Activating the Distinctive Ring feature**

```
DISTINCTIVE RING
=OFF           [±]
```

See page 24 for details.

**Code #36: Receiving oversized documents**

```
RCV REDUCTION
=ON            [±]
```

To slightly reduce the received fax image when printing, so that the received document will be approximately the same length as the original document.
"**ON**" (default): The received fax image will be printed slightly smaller than the original image.
"**OFF**": Deactivates this feature. The received fax image will be printed at the same size as the original image.

**Note:**
● A slight margin will be added to the printed documents, and therefore if this feature is turned OFF, the received document will be slightly longer than the original document.

### Code #39: Changing the display contrast

```
LCD CONTRAST
=NORMAL        [±]
```

"**NORMAL**" (default): For normal contrast.
"**DARKER**": Used when the display contrast is too light.

### Code #41: Changing the fax activation code

```
FAX ACTIVATION
=ON            [±]
```

If you wish to use an extension telephone (page 22) to receive faxes, activate this feature and program the activation code.

1. Press **[MENU]**.
2. Press **[♯]**, then **[4][1]**.
3. Press **[+]** or **[−]** repeatedly to select "**ON**".
4. Press **[SET]**.
5. Enter your code (2 to 4 digits) using the dial keys **[0]**–**[9]**, **[✶]** and **[♯]**.
   - The default code is "**✶✶✶9**".
   - Do not enter "0000".
6. Press **[SET]**.
7. Press **[MENU]**.

### Code #44: Setting the memory reception alert

```
RECEIVE ALERT
=ON            [±]
```

To alert you with a beeping sound when a received fax document is stored into memory due to some existing problem.
The slow beeps will continue until you clear the printing problem and make sure the unit is supplied with enough paper to print the stored document.
"**ON**" (default): You will be alerted to a reception problem by a beeping sound.
"**OFF**": Deactivates this feature.

### Code #46: Setting friendly reception

```
FRIENDLY RCV
=ON            [±]
```

To receive a fax automatically when you answer a call and hear a fax calling tone (slow beep).
"**ON**" (default): You do not have to press **[FAX/START]** for fax reception.
"**OFF**": You have to press **[FAX/START]** for fax reception.

### Code #58: Setting the scan contrast

```
SCAN CONTRAST
=NORMAL        [±]
```

To send or copy a document with faint or dark writing, set this feature before starting transmission or copying.
"**NORMAL**" (default): Used for normal writing.
"**LIGHT**": Used for dark writing.

"**DARKER**": Used for faint writing.
- This feature is not valid if you select "**PHOTO**" resolution for sending (page 18) or copying (page 25) a document.

### Code #59: Setting the print contrast

```
PRINT CONTRAST
=NORMAL        [±]
```

To adjust the darkness of received or copied documents.
"**NORMAL**" (default): Normal contrast.
"**DARKER**": Darker contrast.

### Code #73: Changing the receiving mode in the manual answer setting

```
MANUAL ANSWER
=TEL           [±]
```

"**TEL**" (default): Telephone mode (page 21)
"**TEL/FAX**": Telephone/Fax mode (page 22)

### Code #76: Setting the connecting tone

```
CONNECTING TONE
=ON            [±]
```

If you often have trouble when sending faxes, this feature allows you to hear connecting tones: fax tone, ring back tone and busy tone. You can use these tones to confirm the status of the other party's machine.
"**ON**" (default): You will hear connecting tones.
"**OFF**": Deactivates this feature.

**Note:**
- If the ring back tone continues, the other party's machine may not be a fax machine or may have run out of paper. Check with the other party.
- The connecting tone volume cannot be adjusted.

### Code #78: Changing the TEL/FAX delayed ring setting

```
TEL/FAX RING
RINGS=2        [±]
```

If you use an extension telephone in TEL/FAX mode, select the desired number of times the extension telephone rings before the unit answers the call. You can select "**1**", "**2**" (default), "**3**", "**4**", "**5**", "**6**", "**7**" "**8**" or "**9**". See page 22 for details.

### Code #80: Resetting advanced features to their default settings

```
SET DEFAULT
RESET=NO       [±]
```

To reset the advanced features:

1. Press **[MENU]**.
2. Press **[♯]**, then **[8][0]**.
3. Press **[+]** or **[−]** repeatedly to select "**YES**".
4. Press **[SET]**.
5. Press **[SET]** again.

**6.** Press **[MENU]**.

# 8.4 Direct commands for programming features

You can also select the desired setting by directly entering the program code (# and a 2-digit number) and direct command.
For more details on the features, see page 26 to page 28.

**1** Press **[MENU]**.

**2** Press **[♯]** and the 2-digit code number.

**3** Press the desired direct command to display the desired setting.
   ● This step may be slightly different depending on the feature.

**4** Press **[SET]**.

**5** To exit programming, press **[MENU]**.

## 8.4.1 Program code and direct command button

**[♯][0][1] Date and time**
● Enter the date and time using the dial keypad. See page 10 for details.

**[♯][0][2] Your logo**
● Enter your logo using the dial keypad. See page 10 for details.

**[♯][0][3] Your fax number**
● Enter your fax number using the dial keypad. See page 12 for details.

**[♯][0][4] Sending report**
– **[1]**: "ON"
– **[2]**: "OFF"
– **[3]**: "ERROR" (default)

**[♯][0][6] FAX ring count**
– **[1]**: "1"
– **[2]**: "2" (default)
– **[3]**: "3"
– **[4]**: "4"
– **[5]**: "5 EXT.TAM"

**[♯][1][3] Dialling mode**
– **[1]**: "PULSE"
– **[2]**: "TONE" (default)

**[♯][1][7] External ringer type**
– **[1]**: "RINGER 1" (default)
– **[2]**: "RINGER 2"
– **[3]**: "RINGER 3"

**[♯][2][2] Automatic journal report**
– **[1]**: "ON" (default)

– **[2]**: "OFF"

**[♯][2][3] Overseas mode**
– **[1]**: "NEXT FAX"
– **[2]**: "OFF"
– **[3]**: "ERROR" (default)

**[♯][2][5] Delayed transmission**
– **[1]**: "ON"
– **[2]**: "OFF" (default)
● If you select "ON", next enter the fax number and transmission time using the dial keypad (see feature #25 on page 27 for details).

**[♯][2][6] Automatic Caller ID list**
– **[1]**: "ON"
– **[2]**: "OFF" (default)

**[♯][3][1] Distinctive ring**
– **[1]**: "ON"
– **[2]**: "OFF" (default)

**[♯][3][6] Receiving reduction**
– **[1]**: "ON" (default)
– **[2]**: "OFF"

**[♯][3][9] Display contrast**
– **[1]**: "NORMAL" (default)
– **[2]**: "DARKER"

**[♯][4][1] Fax activation code**
– **[1]**: "ON" (default)
– **[2]**: "OFF"
● If you select "ON", next enter your 2 to 4 digit code using **[0]**–**[9]**, **[✳]** and **[♯]**.

**[♯][4][4] Memory reception alert**
– **[1]**: "ON" (default)
– **[2]**: "OFF"

**[♯][4][6] Friendly reception**
– **[1]**: "ON" (default)
– **[2]**: "OFF"

**[♯][5][8] Scan contrast**
– **[1]**: "NORMAL" (default)
– **[2]**: "LIGHT"
– **[3]**: "DARKER"

**[♯][5][9] Print contrast**
– **[1]**: "NORMAL" (default)
– **[2]**: "DARKER"

**[♯][7][3] Manual receive mode**
– **[1]**: "TEL" (default)
– **[2]**: "TEL/FAX"

**[♯][7][6] Connecting tone**
– **[1]**: "ON" (default)

– **[2]**: "OFF"

---

**[♯][7][8] TEL/FAX ring setting**
– **[1]**: "1"
– **[2]**: "2" (default)
– **[3]**: "3"
– **[4]**: "4"
– **[5]**: "5"
– **[6]**: "6"
– **[7]**: "7"
– **[8]**: "8"
– **[9]**: "9"

---

**[♯][8][0] Set default**
– **[1]**: "YES"
– **[2]**: "NO" (default)

# 9.1 Error messages – Reports

If a problem occurs during fax transmission or reception, one of the following messages will be printed on the sending and journal reports (page 18).

| Message | Code | Cause & Solution |
|---|---|---|
| **COMMUNICATION ERROR** | 40-42 46-72 FF | • A transmission or reception error occurred. Try again or check with the other party. |
| | 43 44 | • A line problem occurred. Connect the telephone line cord to a different jack and try again.<br>• An overseas transmission error occurred. Try using the overseas mode (feature #23 on page 27). |
| **DOCUMENT JAMMED** | ----- | • The document is jammed. Remove the jammed document (page 36). |
| **ERROR-NOT YOUR UNIT** | 53 54 59 70 | • A transmission or reception error occurred because of a problem with the other party's fax machine. Check with the other party. |
| **MEMORY FULL** | ----- | • The memory is full of received documents due to a lack of recording paper or a recording paper jam. Install paper (page 4) or clear the jammed paper (page 36). |
| **NO DOCUMENT** | ----- | • The document was not fed into the unit properly. Re-insert it and try again. |
| **OTHER FAX NOT RESPONDING** | ----- | • The other party's fax machine is busy or has run out of recording paper. Try again.<br>• The other party's fax machine rings too many times. Send the fax manually (page 18).<br>• The other party's machine is not a fax machine. Check with the other party.<br>• The number you dialled is not in service. |
| **PRESSED THE STOP KEY** | ----- | • **[STOP]** was pressed, and fax transmission or reception was cancelled. |
| **OK** | ----- | • Fax transmission or reception was successful. |

# 9.2 Error messages – Display

If the unit detects a problem, one or more of the following messages will appear on the display.

| Display | Cause & Solution |
|---|---|
| **"CALL SERVICE"** | • There is something wrong with the unit. Contact our service personnel. |
| **"CHECK DOCUMENT"** | • The document was not fed into the unit properly. Re-insert the document. If misfeeding occurs frequently, clean the document feeder rollers (page 37) and try again.<br>• Attempted to send a document longer than 600 mm. Press **[STOP]** to remove the document. Divide the document into two or more sheets and try again. |
| **"CHECK MEMORY"** | • Memory (telephone numbers, parameters, etc.) has been erased. Re-program. |

| Display | Cause & Solution |
|---|---|
| "COVER OPEN"<br>"CHECK PAPER" | • The cover is open. Close it and press **[FAX/START]** to clear the message.<br>• The unit has run out of recording paper. Install recording paper (page 4) and press **[FAX/START]** to clear the message. |
| "FAX IN MEMORY" | • The unit has a document in memory. See the other displayed message instructions to print out the document. For fax memory capacity, see page 39. |
| "FAX MEMORY FULL" | • The memory is full of received documents due to a lack of recording paper or a recording paper jam. Install paper (page 4) or clear the jammed paper (page 36).<br>• When performing broadcast transmission, the document being stored exceeded the memory capacity of the unit. Send the entire document manually. |
| "MEMORY FULL" | • There is no space to store new items in the phonebook. Erase unnecessary items (page 13). |
| "MODEM ERROR" | • There is something wrong with the unit's modem. Contact our service personnel. |
| "NO FAX REPLY" | • The other party's fax machine is busy or has run out of recording paper. Try again. |
| "PAPER JAMMED" | • A recording paper jam occurred. Clear the jammed paper (page 36). |
| "PLEASE WAIT" | • The unit is checking and initializing the paper cutter. Wait for a moment while the check is completed. |
| "POLLING ERROR" | • The other party's fax machine does not support polling. Check with the other party. |
| "REDIAL TIME OUT" | • The other party's fax machine is busy or has run out of recording paper. Try again. |
| "REMOVE DOCUMENT" | • The document is jammed. Remove the jammed document (page 36).<br>• Press **[STOP]** to eject the jammed document. |
| "SYSTEM IS BUSY" | • The system is busy. Replace the handset or stop using monitor, then try again. |
| "TRANSMIT ERROR" | • A transmission error occurred. Try again. |
| "UNIT OVERHEATED" | • The unit is too hot. Stop using the unit for a while and let the unit cool down. |

# 9.3 When a function does not work, check here

If you still have difficulties after following the instructions in this section, reset the unit. To reset the unit, disconnect the power cord, then reconnect it.

## 9.3.1 Initial settings

| Problem | Cause & Solution |
|---|---|
| **I cannot hear a dial tone.** | • The telephone line cord is connected to the **[EXT]** jack on the unit. Connect to the **[LINE]** jack (page 3).<br>• If you use a splitter to connect the unit, remove the splitter and connect the unit to the wall jack directly. If the unit operates properly, check the splitter.<br>• Disconnect the unit from the telephone line and connect a known working telephone. If the working telephone operates properly, contact our service personnel to have the unit repaired. If the working telephone does not operate properly, contact your telephone company.<br>• The power cord or telephone line cord is not connected. Check the connections.<br>• If you connected the fax machine through a computer modem, connect the fax machine directly to a telephone line jack. |
| **I cannot make calls.** | • The dialling mode setting may be wrong. Change the setting (feature #13 on page 10). |
| **The unit does not ring.** | • The ringer volume is turned OFF. Adjust it (page 9). |

## 9.3.2 General

| Problem | Cause & Solution |
|---|---|
| **The other party complains they only hear a fax tone and cannot talk.** | • FAX ONLY mode is set. Tell the other party the number is only used for faxes.<br>• Change to TEL mode (page 21) or TEL/FAX mode (page 22). |
| **The receiving mode does not function properly.** | • The Distinctive Ring is set (feature #31 on page 24). |
| **During programming, I cannot enter the code or ID number.** | • All or part of the number is the same. Change the number: feature #41 on page 28. |
| **The unit beeps.** | • The recording paper has run out. Press **[STOP]** to stop the beeps and install recording paper. |
| **Caller information is not displayed.** | • You have not subscribed to Caller ID service.<br>• The caller requested not to send his/her information. |
| **While viewing caller information, the display returns to standby mode.** | • Do not pause for over 3 minutes while searching. |

### 9.3.3 Fax – sending

| Problem | Cause & Solution |
|---|---|
| **I cannot send documents.** | ● The telephone line cord is connected to the [**EXT**] jack on the unit. Connect to the [**LINE**] jack (page 3).<br>● The other party's fax machine is busy or has run out of recording paper. Try again.<br>● The other party does not have a fax machine. Check with the other party.<br>● The other party's fax machine failed to answer the fax automatically. Send the fax manually (page 18). |
| **I cannot send a fax overseas.** | ● Use the overseas transmission mode of feature #23 (page 27).<br>● Add two pauses at the end of the telephone number or dial manually. |
| **The other party complains that letters on their received document are distorted or not clear.** | ● If your line has special telephone services such as call waiting, the service may have been activated during fax transmission. Connect the unit to a line that does not have these services.<br>● Another telephone on the same line is off the hook. Hang up the telephone and try again.<br>● Try copying the document. If the copied image is clear, there may be something wrong with the other party's machine.<br>● Adjust the scan contrast using feature #58 (page 28). |
| **The other party complains that black lines, white lines or smudges appear on their received document.** | ● The scanner glass, white plate or rollers are dirty with correction fluid, etc. Clean them (page 37). Please do not insert a document before correction fluid has dried completely. |

### 9.3.4 Fax – receiving

| Problem | Cause & Solution |
|---|---|
| **I cannot receive documents.** | ● The telephone line cord is connected to the [**EXT**] jack on the unit. Connect to the [**LINE**] jack (page 3).<br>● When you have a single telephone line, you must also subscribe to a Distinctive Ring service (page 24).<br>● The memory is full of received documents due to a lack of recording paper or a recording paper jam. Install paper (page 4) or clear the jammed paper (page 36). |
| **I cannot receive documents automatically.** | ● The receiving mode is set to TEL mode.<br>Change the receiving mode to TEL/FAX mode (page 22) or FAX ONLY mode (page 23).<br>● The time taken to answer the call is too long. Decrease the number of rings before the unit answers a call (feature #06 on page 26). |
| **The display shows "CONNECTING.....", but faxes are not received.** | ● The receiving mode is set to FAX ONLY mode and the incoming call is not a fax. Change the receiving mode to TEL mode (page 21) or TEL/FAX mode (page 22). |
| **A blank sheet is ejected.** | ● The recording paper is not installed correctly. Make sure that the shiny side of the paper is facing down and re-install the paper (page 4).<br>● The other party placed the document in their fax machine the wrong way. Check with the other party. |
| **The printing quality is poor.** | ● The thermal head is dirty. Clean it (page 37).<br>● Adjust the print contrast using feature #59 (page 28).<br>● If documents can be copied properly, the unit is working normally. The other party may have sent a faint document or there may be something wrong with the other party's machine. Ask them to send a clearer copy of the document or to check their fax machine. |

| Problem | Cause & Solution |
|---------|------------------|
| **The other party complains that they cannot send a document.** | <ul><li>The receiving mode is set to TEL mode.<br>Receive the document manually (page 21) or change the receiving mode to TEL/FAX mode (page 22) or FAX ONLY mode (page 23).</li><li>The memory is full of received documents due to a lack of recording paper or a recording paper jam. Install paper (page 4) or clear the jammed paper (page 36).</li></ul> |
| **I cannot select the desired receiving mode.** | <ul><li>If you want to set FAX ONLY mode, press **【AUTO ANSWER】** repeatedly to select FAX ONLY mode.</li><li>If you want to set TEL mode or TEL/FAX mode, set the desired mode using #73 (page 28) and press **【AUTO ANSWER】** repeatedly to select the desired mode.</li><li>The Distinctive Ring of feature #31 is activated (page 24).</li></ul> |
| **When an extension telephone is connected, I cannot receive documents by pressing 【∗】【∗】【∗】【9】.** | <ul><li>You must set remote fax activation to ON (feature #41 on page 28) beforehand.</li><li>Press **【∗】【∗】【∗】【9】** firmly.</li><li>The memory is full of received documents due to a lack of recording paper or a recording paper jam. Install paper (page 4) or clear the jammed paper (page 36).</li></ul> |

### 9.3.5 Copying

| Problem | Cause & Solution |
|---------|------------------|
| **The unit will not make a copy.** | <ul><li>You cannot make a copy during programming.</li><li>You cannot make a copy during a telephone conversation.</li></ul> |
| **A black line, a white line or smudge appears on the copied document.** | <ul><li>The scanner glass, white plate or rollers are dirty with correction fluid, etc. Clean them (page 37). Please do not insert a document before correction fluid has dried completely.</li></ul> |
| **The copied document is blank.** | <ul><li>The recording paper is not installed correctly. Make sure that the shiny side of the paper is facing down and re-install the paper (page 4).</li></ul> |
| **The copied image is distorted.** | <ul><li>Adjust the width of the document guides to fit the actual size of the document.</li></ul> |
| **The printing quality is poor.** | <ul><li>The thermal head is dirty. Clean it (page 37).</li><li>Adjust the print contrast using feature #59 (page 28).</li></ul> |

### 9.3.6 If a power failure occurs

- The unit will not function.
- The unit is not designed for making emergency telephone calls when the power fails. Alternative arrangements should be made for access to emergency services.
- Fax transmission and reception will be interrupted.
- If delayed transmission (feature #25 on page 27) is programmed and power failure prevents the document from being sent at the set time, the transmission may be cancelled.
- If any fax documents are stored in the memory, they will be lost. When power is restored, a power down report will be printed stating which documents in memory have been erased.
- The date and time setting may be lost. If the correct date and time is not displayed after the power has been restored, set the date and time again (page 10).

# 10.1 Recording paper jams

**1** Open the top cover by pressing the top cover release button (①).
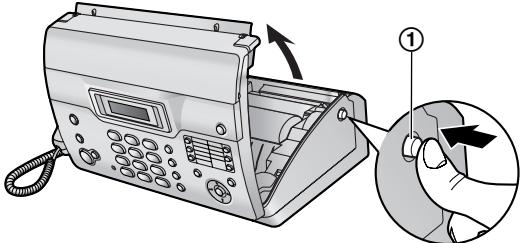


**2** **For KX-FT932:**
Skip to step 3.

**For KX-FT934:**

Pull the cutter release lever (①) forward.
● The paper cutter will be released.
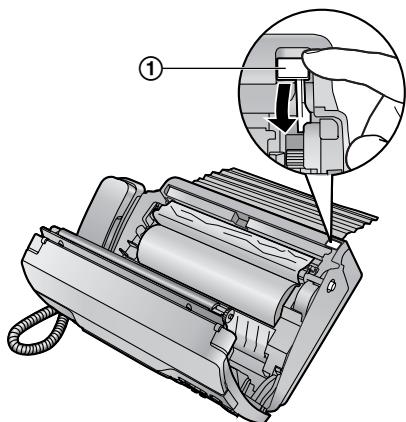


**3** Remove the recording paper.
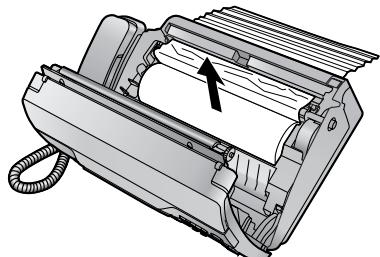


**4** Cut off the wrinkled portion.
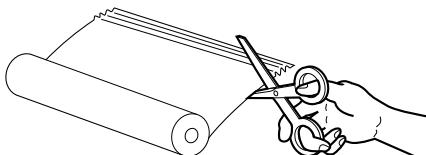


**5** Install the recording paper and close the top cover securely by pushing down on both sides (see page 4 for details).
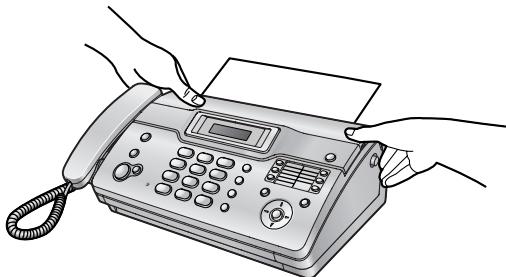


# 10.2 Document jams – sending

**1** Open the top cover by pressing the top cover release button (①) and remove the jammed document carefully (②).
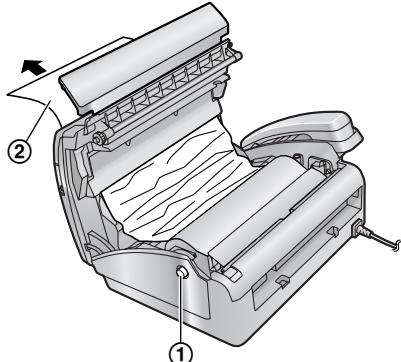


**2** Close the top cover securely by pushing down on both sides.



**Note:**
● Do not pull out the jammed paper forcibly before opening top cover.

# 10.3 Document feeder / scanner glass cleaning

Clean the document feeder when:
– Documents frequently misfeed.
– Smudges or black/white lines appear on the document when sending or copying.

**1** Disconnect the power cord and the telephone line cord.

**2** Open the top cover by pressing the top cover release button (①).
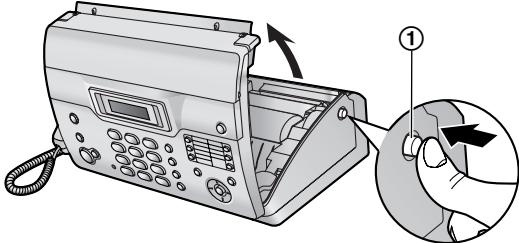


**3** Clean the document feeder rollers (①) and rubber flap (②) with a cloth moistened with isopropyl rubbing alcohol, and let all parts dry thoroughly. Clean the white plate (③) and scanner glass (④) with a soft and dry cloth.

**Caution:**
● **Do not use paper products, such as paper towels or tissues.**
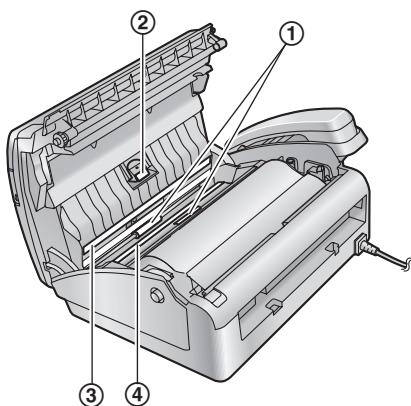


**4** Connect the power cord and the telephone line cord.

**5** Close the top cover securely by pushing down on both sides.
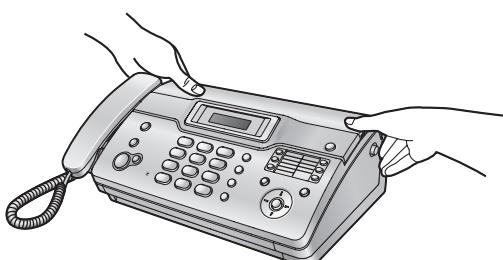


# 10.4 Thermal head cleaning

If smudges or black/white lines appear on a copied/received document, check whether there is dust on the thermal head. Clean it to remove the dust.

**1** Disconnect the power cord and the telephone line cord.

**2** Open the top cover by pressing the top cover release button (①) and remove the recording paper.
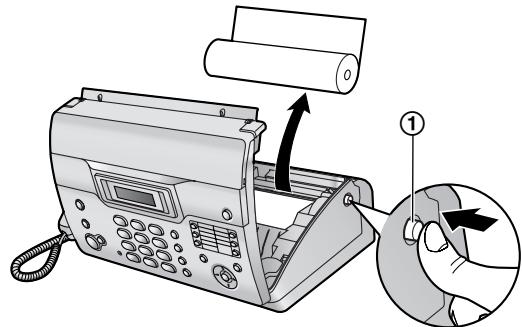


**3** Clean the thermal head (①) with a cloth moistened with isopropyl rubbing alcohol, and let all parts dry thoroughly.

**Caution:**
● **To prevent a malfunction due to static electricity, do not use a dry cloth and do not touch the thermal head directly.**
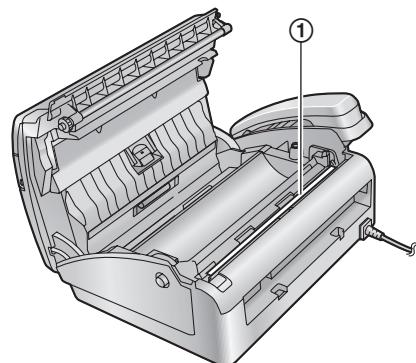


**4** Connect the power cord and the telephone line cord.

**5** Install the recording paper and close the top cover securely by pushing down on both sides (see page 4 for details).

# 11.1 Reference lists and reports

You can print out the following lists and reports for your reference.

**Setup list:**
provides you with the current settings of the programming features (page 26 to page 28).

**Telephone number list:**
provides you with names and numbers which are stored in the phonebook and one-touch dial feature.

**Journal report:**
keeps records of fax transmission and reception. This report can be printed automatically after every 30 fax communications (feature #22 on page 27).

**Printer test:**
allows you to check the print quality of your unit. If the test print has a smudge, or blurred points or lines, clean the thermal head (page 37).

**Broadcast programming list:**
provides you with names and numbers which are stored in the broadcast memory (page 20).

**Caller ID list:**
keeps records of the last 30 different callers after subscribing to a Caller ID service. To print automatically after every 30 callers, activate feature #26 (page 27).



**[STOP]**        **[◄][►]**    **[SET] [MENU]**
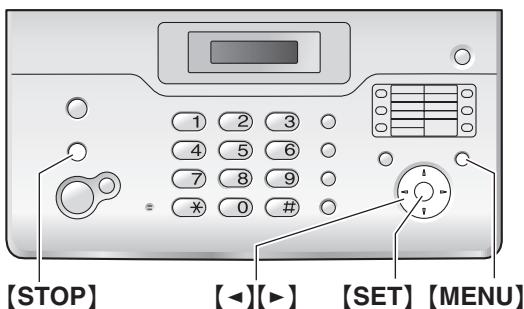
1  Press **[MENU]** repeatedly to display "**PRINT REPORT**".

2  Press **[◄]** or **[►]** repeatedly to display the desired item.

3  Press **[SET]** to start printing.
   ● To stop printing, press **[STOP]**.

4  Press **[MENU]**.

# 11.2 Specifications

■ **Applicable lines:**
Public Switched Telephone Network

■ **Document size:**
Max. 216 mm in width, Max. 600 mm in length

■ **Effective scanning width:**
208 mm

■ **Recording paper size:**
216 mm × max. 30 m roll

■ **Effective printing width:**
208 mm

■ **Transmission time[1]:**
Approx. 15 s/page (Original mode)[2]

■ **Scanning density:**
Horizontal: 8 pels/mm
Vertical: 3.85 lines/mm – in standard resolution,
7.7 lines/mm – in fine/photo resolution,
15.4 lines/mm – in super fine resolution

■ **Photo resolution:**
64-level

■ **Scanner type:**
Contact Image Sensor

■ **Printer type:**
Thermal printing

■ **Data compression system:**
Modified Huffman (MH), Modified READ (MR)

■ **Modem speed:**
9,600 / 7,200 / 4,800 / 2,400 bps; Automatic Fallback

■ **Operating environment:**
5 °C – 35 °C, 20 % – 80 % RH (Relative Humidity)

■ **Dimensions:**
Approx. height 121 mm × width 352 mm × depth 224 mm

■ **Mass (Weight):**
KX-FT932: Approx. 2.7 kg
KX-FT934: Approx. 2.8 kg

■ **Power consumption:**
Standby: Approx. 1.5 W
Transmission: Approx. 13 W
Reception: Approx. 30 W (When receiving a 20 % black document)
Copy: Approx. 35 W (When copying a 20 % black document)
Maximum: Approx. 110 W (When copying a 100 % black document)

■ **Power supply:**
220 V – 240 V AC, 50/60 Hz

■ **Fax memory capacity[3]:**
Approx. 28 pages of memory reception
(Based on the ITU-T No. 1 Test Chart in standard resolution, with original mode.)

[1] Transmission speed depends upon the contents of the pages, resolution, telephone line conditions and capability of the other party's machine.

[2] Transmission speed is based upon the ITU-T No. 1 Test Chart with original mode. If the capability of the other party's machine is inferior to your unit, the transmission time may be longer.

[3] If an error occurs during fax reception, such as a paper jam or if the recording paper runs out, the fax and subsequent faxes will be retained in memory.

**ITU-T No. 1 Test Chart**
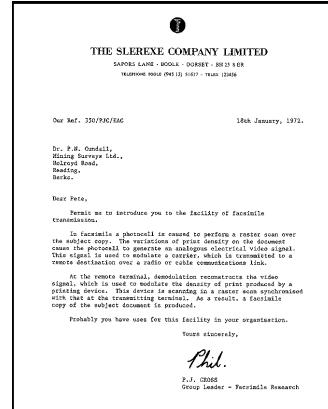


**Note:**
● Design and specifications are subject to change without notice.
● The pictures and illustrations in these instructions may vary slightly from the actual product.
● The suffix in the model number will be omitted in these instructions.
● Most figures shown in these operating instructions are based on a KX-FT932.

# 11.3 User record

**For your future reference**

| |
|---|
| Date of purchase |
| Serial number (found on the rear of the unit) |
| Dealer's name and address |
| Dealer's telephone number |

**Attach your sales receipt here.**

## 12.1 Index

# Notes

# Notes

**Sole agent:**
**Shun Hing Technology Co., Ltd.**
9th Floor, Peninsula Centre 67, Mody Road, Tsimshatsui East, Kowloon, Hong Kong
Web site: http://www.panasonic.oa.com.hk

**Manufacturer:**
**Panasonic Communications (Malaysia) Sdn. Bhd.**
PLO No.1, Kawasan Perindustrian Senai, KB No. 104, 81400 Senai, Negeri Johor Darul Ta'zim, Malaysia

**Global web site:**
http://panasonic.net

*FT932HK*